Index of Claims

Application/Control No.

10/519,491

Examiner

**Anthony Dinkins** 

Applicant(s)/Patent under Reexamination

EISENRING, ROLF

**Art Unit** 

2831

|   | √  | Rejected |
|---|----|----------|
| ĺ | 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |  |  |   |              |          |                                     |   |       |          |          |         |                | ,                 |  | _ |
|----------|--|--|---|--------------|----------|-------------------------------------|---|-------|----------|----------|---------|----------------|-------------------|--|---|
| Claim    | Date   |  |   |              |          |                                     |   | Claim |          |          | Date    |                |                   |  |   |
| Final    | 2/17/06  |  |   |              |          |                                     |   | Final | Original |          |         |                |                   |  |   |
| 1        | 1  |  |   |              |          |                                     |   |       | 51       |          |         |                |                   |  |   |
| 2        |  |  |   |              |          |                                     |   |       | 52       |          |         |                |                   |  | Γ |
| 3        | $\Box$   | $\bot \bot$                                      |   | L            |          |                                     |   |       | 53       |          |         |                | L                 |  | L |
| 4        |  |  |   |              |          |                                     |   |       | 54       | $\perp$  | $\perp$ |                | L                 | L  | L |
| 5        | $\sqcup \! \! \! \! \! \perp$                    | $\sqcup \sqcup$                                  |   |              |          |                                     |   |       | 55       | Ш        |         | _              | 匚                 |  | L |
| 6        | $\sqcup \! \! \! \! \! \perp$                    |  |   | 上            |          |                                     |   |       | 56       |          |         | 上              | L                 | L  | L |
| 7        | $\sqcup \bot$                                    |  |   | _            | _        |                                     |   |       | 57       |          |         | ┖              | _                 | L  | L |
| 8        | $\sqcup$   | $\perp \perp$                                    | $\vdash$  | <u> </u>     | _        |                                     |   |       | 58       | $\Box$   | -       | <u> </u>       | _                 |  | L |
| 9        | $\vdash$   | <del></del>                                      |   | <u> </u>     | $\perp$  | _                                   |   |       | 59       |          |         | <del> </del> _ | _                 | ļ  | Ļ |
| 10       |  | <del>                                     </del> |   | ▙            | <u> </u> | _                                   |   |       | 60       | $\vdash$ | +       | ╄              | <u> </u>          | _  | Ļ |
| 11       |  | <del>                                     </del> |   | <u> </u>     | _        | _                                   |   |       | 61       | $\vdash$ | 4-      | ⊢              | _                 | _  | ₽ |
| 12       |  | +-   | -   | ⊢            | $\vdash$ | _                                   |   |       | 62       | $\vdash$ | +       | ⊬              | ┡                 | ⊢  | ╀ |
| 13       | $\vdash\vdash$                                   | <del>                                     </del> | <del>                                     </del>                  | <u> </u>     | -        |                                     |   |       | 63       |          | ┿       | ┼              |                   | ⊢  | ╀ |
| 14       |  | <del></del>                                      | <del>                                     </del>                  | ├-           |          | _                                   |   |       | 64       | -        | +-      | ╀              | <u> </u>          | _  | ╀ |
| 15       | $\vdash$   | <del>                                     </del> | <del>                                     </del>                  | ⊢            | H        | _                                   |   |       | 65       | -        | ┿       | ╀              | <u> </u>          | <u> </u>   | ╀ |
| 16<br>17 | ├-   | <del>                                     </del> | <del>                                     </del>                  | ⊢            | -        | _                                   |   |       | 66       | $\vdash$ | +       | ⊬              | ⊢                 | ⊢  | ╀ |
|          | $\vdash$   | +-   | $\vdash$  | ⊢            | $\vdash$ | H                                   |   |       | 67       | -        |         | ╀              | -                 | ├  | ╀ |
| 18<br>19 | $\vdash\vdash$                                   | <del>  </del>                                    |   | ┢            | $\vdash$ | -                                   |   |       | 68<br>69 |          |         | +-             | <u> </u>          | ├—   | ╀ |
| 20       |  | +-   |   | ⊢            | $\vdash$ | _                                   |   |       | 70       | -        |         | ╀╌             |                   | <del> </del>                                     | ╀ |
| 21       |  | <del>                                     </del> | <del>                                     </del>                  | ┢            | -        |                                     | } |       | 71       | $\vdash$ | +-      | ┼-             | ⊢                 | ├  | ╀ |
| 22       |  | <del>   </del>                                   | <del>                                     </del>                  | ├            | ⊢        | -                                   | } |       | 72       |          | ┿       | ╁              | -                 | _  | ╀ |
| 23       | $\vdash$   | <del>                                     </del> | $\vdash$  | ⊢            | $\vdash$ | H                                   | } |       | 73       |          | +       | ⊢              | ⊢                 |  | ╁ |
| 24       | $\vdash \vdash$                                  | <del>                                     </del> | $\vdash$  | ╁            | $\vdash$ |                                     | 1 |       | 74       | -        | +-      | ╁╴             | ⊢                 | -  | ╁ |
| 25       | <del>                                     </del> | <del>1  </del>                                   | $\vdash$  | $\vdash$     | $\vdash$ | $\vdash$                            | ł |       | 75       | $\vdash$ | +-      | $\vdash$       |                   | ┝  | H |
| 26       | $\vdash\vdash$                                   | <del>                                     </del> | <del>   -</del>   | <del> </del> | $\vdash$ | $\vdash$                            | 1 |       | 76       | $\vdash$ | +       | $\vdash$       | Н                 | ┢  | t |
| 27       | $\vdash$   | <del>   -</del>                                  | <del>                                     </del>                  | $\vdash$     | $\vdash$ | _                                   | l |       | 77       | $\vdash$ | +       | $t^{-}$        | _                 | <del> </del>                                     | t |
| 28       | <del>                                     </del> | <del>1 - 1 -</del>                               |   |              | $\vdash$ |                                     |   |       | 78       | $\vdash$ | _       | ┼┈             | -                 | -  | t |
| 29       | $\vdash$   | 1-1-   | <del>                                     </del>                  | 1            |          |                                     |   |       | 79       |          |         | $\vdash$       | 一                 | -  | t |
| 30       | $\vdash$   | 1  | H   |              |          |                                     |   |       | 80       | $\vdash$ | _       | $\vdash$       | -                 | <del>                                     </del> | t |
| 31       |  | 1-1-   |   | $\vdash$     |          |                                     |   |       | 81       |          | 1       | †              | T                 | $\vdash$   | T |
| 32       |  |  |   |              |          |                                     | Ì |       | 82       |          | 1       | T              | ऻऻ                |  | T |
| 33       |  |  |   | $\top$       |          |                                     |   |       | 83       | $\vdash$ |         | $\vdash$       |                   |  | T |
| 34       |  | 1 1 -  |   |              |          |                                     |   |       | 84       | $\Box$   |         |                | Г                 |  | T |
| 35       | П  |  |   |              |          |                                     |   |       | 85       |          | $\neg$  |                |                   | П  | Γ |
| 36       |  |  |   |              |          |                                     |   |       | 86       |          |         |                |                   |  | Γ |
| 37       |  | $\Box\Box$                                       |   |              |          |                                     |   |       | 87       |          |         |                |                   |  | Γ |
| 38       |  |  |   |              |          |                                     |   |       | 88       |          |         |                |                   |  | Γ |
| 39       |  |  |   |              |          |                                     | [ |       | 89       |          |         |                | 匚                 |  | Ĺ |
| 40       | $\Box$   |  |   |              |          |                                     |   |       | 90       |          |         | $\perp$        | 匚                 | Ĺ  | Ĺ |
| 41       | Ш.   |  | $\sqcup \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ | $oxed{oxed}$ | $\Box$   |                                     |   |       | 91       |          |         | L              | <u> </u>          |  | L |
| 42       | $\sqcup \bot$                                    | $oldsymbol{oldsymbol{oldsymbol{eta}}}$           | $\sqcup$  | <u> </u>     | igspace  |                                     |   |       | 92       | $\sqcup$ | _       |                |                   | L  | L |
| 43       | $\vdash$   | igspace  | - -   | <u> </u>     | Щ        | Ш                                   |   |       | 93       | $\sqcup$ | _       |                | _                 |  | L |
| 44       | <del>                                     </del> | $\vdash \vdash$                                  | $\sqcup \!\!\! \perp$   | ╙            | Щ        |                                     |   |       | 94       | $\sqcup$ |         | ↓_             | <u> </u>          | L  | L |
| 45       | Щ  | <del> </del>                                     | $\sqcup \!\! \perp$   | ╙            | Щ        | _                                   |   |       | 95       | $\sqcup$ |         | 1              | <u> </u>          | ļ  | L |
| 46       | $\vdash \vdash$                                  | $\vdash$   | $\vdash \vdash$   | $\vdash$     | Щ        |                                     |   |       | 96       |          | ┷       | ↓_             | <u> </u>          | L  | L |
| 47       | $\vdash \downarrow \vdash$                       | $\vdash$   | $\vdash \vdash$   | $\vdash$     | Щ        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |   |       | 97       |          | ┷       | $\vdash$       | <u> </u>          | $ldsymbol{ldsymbol{\sqcup}}$                     | L |
| 48       | $\vdash \vdash$                                  | $\vdash$   | <b>  -</b> -  | _            | _        | _                                   |   |       | 98       | $\sqcup$ | $\bot$  | 1              | $ldsymbol{f eta}$ | L.   | L |
| 49       | $\vdash \vdash$                                  | <b>├</b>   | - -   | _            | $\sqcup$ | <u> </u>                            |   |       | 99       | $\vdash$ | +       | ╀              | <u> </u>          | <u> </u>   | L |
| 50       | $\Box \bot$                                      |  | Щ.  |              | L        |                                     | l |       | 100      |          |         | <u></u>        | <u> </u>          | <u> </u>   | L |

| Cla      | .:       | _  |              |  | _  | 204  | _  |          |                  |              |
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| Final    | Original |  |              |  |  |  |  |          |                  |              |
|          | 51       | _  | H            | $\vdash$   | $\vdash$   | ┢  | <del>                                     </del> |          |                  | $\vdash$     |
|          | 52       |  |              |  |  | Т  |  |          |                  |              |
|          | 53       |  | $\vdash$     | _  | _  |  | Г  |          | _                |              |
|          | 54       | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | Т        | $\vdash$         | ┢            |
|          | 55       | $\vdash$   | ┢            | H  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | H                | -            |
|          | 56       | $\vdash$   | -            | ┝  | $\vdash$   | $\vdash$   | $\vdash$   | _        | $\vdash$         | $\vdash$     |
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|          | 58       |  | -            | ┢  |  | -  | ┢  |          | ┢╾               | ┢            |
|          | 59       | H  | H            | -  | H  | $\vdash$   | ┢  |          | $\vdash$         | _            |
|          | 60       | Н  | -            | <del>                                     </del>   | <del>                                     </del> |  | -  | _        | _                | -            |
|          | 61       | Н  | $\vdash$     | $\vdash$   |  |  |  |          | $\vdash$         | H            |
| -        | 62       | H  | H            | H  | H  | H  | H  | _        | H                | H            |
|          | 63       | Н  | Н            | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |          | $\vdash$         | $\vdash$     |
|          | 64       | <b>-</b>   | ┪            | $\vdash$   | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$ | $\vdash$         | $\vdash$     |
|          | 65       | Н  | ┰            | $\vdash$   | П  | T  | T  | $\vdash$ | $\vdash$         | Т            |
|          | 66       |  | Н            | $\vdash$   |  | $\vdash$   | _  |          |                  | $\vdash$     |
|          | 67       | Т  | $\vdash$     |  |  |  |  |          | $\vdash$         | $\vdash$     |
|          | 68       | _  | T            | Ι  |  | _  | _  |          |                  |              |
|          | 69       |  |              | $\vdash$   |  |  |  |          | H                |              |
|          | 70       |  |              |  | _  | _  | <u> </u>   |          |                  |              |
|          | 71       | П  | Г            | $\vdash$   |  | $\vdash$   | _  | _        | _                |              |
|          | 72       |  |              | Г  |  |  |  |          |                  |              |
|          | 73       |  |              | Г  |  | T  |  |          |                  |              |
|          | 74       |  |              |  |  |  |  |          | Г                |              |
|          | 75       |  |              |  |  |  |  |          |                  |              |
|          | 76<br>77 |  |              |  |  |  |  |          |                  |              |
|          | 77       |  | _            |  |  |  |  |          |                  |              |
|          | 78       |  |              | L  |  | L  |  |          |                  | L            |
|          | 79       | $ldsymbol{le}}}}}}}$ | L_           | <u> </u>   | L  | L  |  |          | _                | L            |
|          | 80       |  | L            | _  | L  | L  | <u> </u>   |          | _                |              |
|          | 81       | _  | <u> </u>     | _  | _  | _  |  |          |                  |              |
|          | 82<br>83 |  | $oxed{oxed}$ | $ldsymbol{ld}}}}}}$ | Ш  | ᆫ  | _  |          | _                | L            |
|          | 83       | $oxed{oxed}$   |              |  | Щ  | L  |  |          | _                | L            |
|          | 84       | Щ  | <u> </u>     | <u> </u>   | Щ  | <u> </u>   | <u> </u>   | _        | <u> </u>         | L            |
| <u> </u> | 85       | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | $\Box$   | _                | <u> </u>     |
| <u> </u> | 86       | Щ  | <u> </u>     | <u> </u>   | $\vdash$   | $\vdash$   | <u> </u>   | <u> </u> | _                | L            |
| <u> </u> | 87       | $\vdash$   | ļ            | <u> </u>   | ļ  | <u> </u>   | <b> </b>   | <u> </u> | <u> </u>         | <u> </u>     |
| $\vdash$ | 88       | $\vdash$   | ⊢            | <u> </u>   | ⊢  | ├  |  | <u> </u> | <u> </u>         | <u> </u>     |
| <u> </u> | 89       | $\vdash$   | ⊢            | $\vdash$   | ⊢  | ⊢  |  | <u> </u> |                  | $\vdash$     |
|          | 90       |  | ├—           | <del> </del>   | <del>                                     </del> | ├—   | ⊢  | <u> </u> | <u> </u>         | <u> </u>     |
| $\vdash$ | 91       | $\vdash$   | -            | -  | $\vdash$   |  | -  |          | $\vdash$         | $\vdash$     |
| -        | 92<br>93 | H  | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | H        | $\vdash$         | <u> </u>     |
| $\vdash$ | 94       | Н  | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   |  |          | -                | -            |
| -        | 95       | H  |              |  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$         | $\vdash$     |
| $\vdash$ | 96       | H  | -            | $\vdash$   | $\vdash$   | -  | <b></b> -  | $\vdash$ | -                |              |
|          | 97       |  | $\vdash$     | ├  | $\vdash$   | Η-   | $\vdash$   | $\vdash$ | $\vdash$         | -            |
| <u> </u> | 98       | $\vdash$   | -            | ├  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$         | -            |
|          | 99       | H  | $\vdash$     | H  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | <del>  -  </del> | _            |
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| Cla   |                   |          |              | - (            | Date         |              |          |              | $\neg$   |           |
|-------|-------------------|----------|--------------|----------------|--------------|--------------|----------|--------------|----------|-----------|
|       |                   |          |              |                |              |              |          |              | П        |           |
| Final | Original          |          |              |                |              |              |          |              |          |           |
|       | 101               |          |              |                |              |              |          |              | Γ        | П         |
|       | 102<br>103        |          |              |                |              | П            |          |              | Г        |           |
|       | 103               |          |              |                |              |              |          |              |          | П         |
|       | 104               |          |              |                |              |              |          |              |          |           |
|       | 104<br>105        |          |              |                |              |              |          |              |          |           |
|       | 106               |          |              |                |              |              |          |              |          |           |
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|       | 108               |          |              |                |              |              |          |              | <u> </u> |           |
|       | 109               |          |              | _              | <u> </u>     |              |          |              |          | Ш         |
|       | 110               |          | L            | L              |              |              |          |              |          | Ш         |
|       | 111               |          | _            | <u> </u>       | _            | _            | $\vdash$ | _            | _        | Ш         |
|       | 112               | <u> </u> | <u> </u>     | $\vdash$       | _            | <u> </u>     | <u> </u> | <u> </u>     | Ь—       | Ш         |
|       | 113<br>114<br>115 | $\vdash$ | <u> </u>     | Ь              | _            | _            | $\vdash$ | $oxed{oxed}$ | Ь        | Щ         |
|       | 114               | _        | _            | _              |              | _            |          |              | _        | Щ         |
|       | 115               | <u> </u> | <del> </del> | Ь—             | <u> </u>     | <u> </u>     |          | <u> </u>     | <u> </u> | Щ         |
|       | 116<br>117        | _        | ┡            | ╙              | _            | <u> </u>     | <u> </u> | _            | ╙        | Н         |
|       | 11/               | _        |              | <u> </u>       | ļ            | <u> </u>     | _        | _            | _        | <b>  </b> |
|       | 118               | _        | <u> </u>     | <u> </u>       |              | _            |          |              | ┡        | Н         |
|       | 119               | _        | <u> </u>     | <u> </u>       | <u> </u>     |              | _        | _            | <u> </u> | Ы         |
|       | 120               | _        | -            | <del>  -</del> |              | <u> </u>     | H        | -            | ⊢        | Н         |
|       | 121<br>122<br>123 | <u> </u> | _            | <u> </u>       | _            |              | <u> </u> | -            |          | H         |
|       | 122               | _        | ├            | -              | _            | $\vdash$     | H        | $\vdash$     | ┝        | Н         |
|       | 123               | -        | ⊢            | -              | _            | $\vdash$     | $\vdash$ | $\vdash$     | ├        | Н         |
|       | 124<br>125<br>126 | _        | ┝            | ⊢              |              | -            | Н        |              | ┢        | Н         |
|       | 126               | -        |              |                | -            | $\vdash$     | $\vdash$ | -            | -        | H         |
|       | 127               | ├        | ⊢            | ├              | <del> </del> | $\vdash$     | $\vdash$ | $\vdash$     | ┝        | H         |
|       | 127<br>128        | ┝        | ┢            | ┢              | $\vdash$     | H            | H        | $\vdash$     | ┢        | Н         |
|       | 129               | -        | ┢            | -              |              | $\vdash$     | -        | $\vdash$     | ┢        | H         |
|       | 130               | $\vdash$ | $\vdash$     | Н              |              | Н            | $\vdash$ |              | $\vdash$ | $\vdash$  |
|       | 131               |          |              | $\vdash$       |              |              |          |              | _        | H         |
|       | 132               |          | H            |                | _            |              |          |              | -        | Н         |
|       | 133               | $\vdash$ |              | ┢              |              | $\vdash$     | -        |              | H        | Н         |
|       | 133<br>134        | $\vdash$ | $\vdash$     | T              | Г            |              | П        | Т            | 一        | Н         |
|       | 135               |          | ļ            |                |              |              |          |              | Г        | П         |
|       | 136               |          |              |                |              |              |          |              |          |           |
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|       | 138               |          |              |                |              |              |          |              |          |           |
|       | 139               |          |              |                | 匚            |              |          |              |          |           |
|       | 140               |          |              |                |              |              |          |              |          |           |
|       | 141               |          | Ĺ            |                |              |              |          |              | L        | $\Box$    |
|       | 142               |          | L            | $\Box$         |              |              |          |              | oxdot    |           |
|       | 143               |          | _            | Ш              | $oxed{\Box}$ | $oxed{\Box}$ |          |              | <u> </u> |           |
|       | 144               | <u>_</u> | _            |                | L_           | $\Box$       | Ш        | Ш            |          | Ш         |
|       | 145               |          | <u>_</u>     | Ш              | Щ            | Щ            | Щ        | Ш            | <u>_</u> | Ш         |
|       | 146               | L.       | L            | lacksquare     |              |              |          |              | _        | Ш         |
|       | 147               | L_       | L            | <u> </u>       | Щ            | Щ            | Ш        | $\vdash$     | L_       | Ш         |
|       | 148               | L_       | <u> </u>     | oxdot          | L            | Ш            |          | L_           | L        | Ш         |
|       | 149               |          |              |                |              | _            | Ш        | L            | L_       | Ш         |
|       | 150               |          |              | L.             | L            |              |          | L            | L        | LJ        |